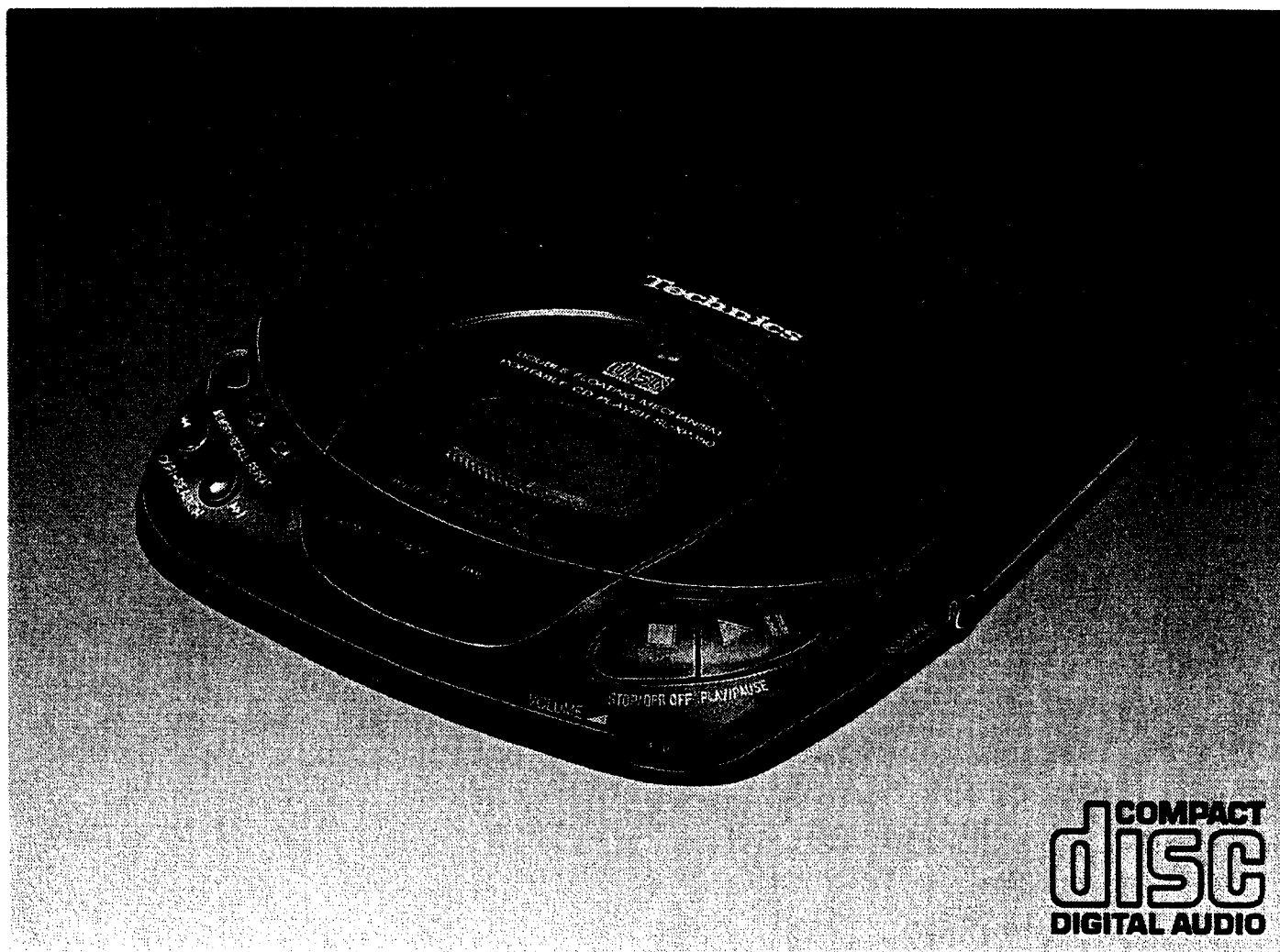


Technics

Portable CD Player

SL-XP350

Operating Instructions



Notes:

- The "EB" area code, for example, indicates United Kingdom specifications.
- The "EB" indication is shown on the packing case.

Before connecting, operating or adjusting this product, please read these instructions completely.

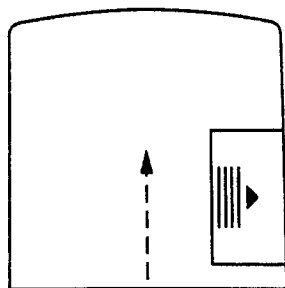
Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

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Bottom of the unit
Apparatens undersida
Komponentens underside
Produktets underside



**CLASS 1
LASER PRODUCT**

**LUOKAN 1 LASERLAITE
KLASS 1 LASER
APPARAT**

Marking sign is located on bottom of the unit.

CAUTION:

The AC voltage is different according to the area.

Be sure to set the proper voltage in your area before use.

(For details, please refer to the page 8.)

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

ADVARSEL:

FOR AT REDUCERE RISIKOEN FOR BRAND OG ELEKTRISKE STØD MÅ DETTE APPARAT IKKE UDSÆTTES FOR REGN ELLER FUGT.

VAROITUS:

TULIPALO- JA SÄHKÖISKUVAARAN VÄLTTÄMISEKSI ÄLÄ SAATA TÄTÄ LAITETTA ALTTIIKSI SATEELLE TAI KOSTEUELLE.

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

DANSK

BEMÆRK!

I DETTE APPARAT ANVENDES EN LASER.

BRUG AF BETJENINGSKNAPPER ELLER REGULERINGER ELLER FREMGANGSMÅDER UD OVER DE I DENNE BETJENINGSVEJLEDNING ANGIVNE, KAN MEDFØRE FARE FOR BESTRÅLING. ÅBN IKKE KABINETTET OG FØRSØG IKKE AT UDFØRE REPARATIONER SELV. REPARATIONER MÅ KUN FORETAGES AF KVALIFICEREDE TEKNIKERE.

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

NORSK

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER.

BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVENT I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING.

DEKSLER MÅ IKKE ÅPNES, OG FØRSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND.

ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

(Påsat under apparatet)

DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

(Bottom of the product)

VARO! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymätön lasersäteilylle. Älä katso säteeseen.

WARNING! Osynlig laserstråling når denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

ADVERSELI! Usynlig laserstråling når deksel åpnes og sikkerhetslås brytes. Unngå eksponering for strålen.

(Tuotteen pohjassa)
(Apparatens undersida)
(Produktets underside)

Supplied Accessories

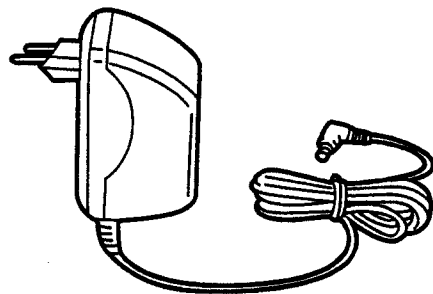
Check the packing carton for these accessories.

- ① AC adaptor 1 pc.
- ② Stereo earphones 1 pc.
- ③ Rechargeable batteries 2 pcs.
- ④ Stereo connection cable 1 pc.
- ⑤ Power plug adaptor 1 pc.
(For areas except Continental Europe,
United Kingdom and Australia)

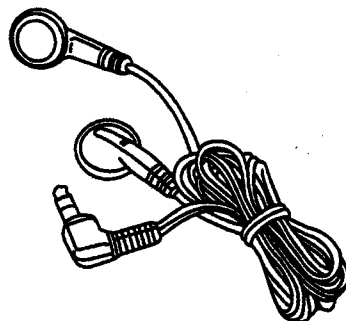
Note:

The configuration of the AC adaptor differs according to area.

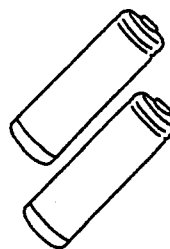
①



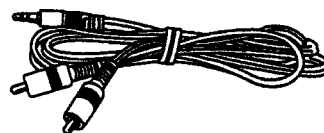
②



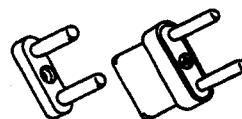
③



④



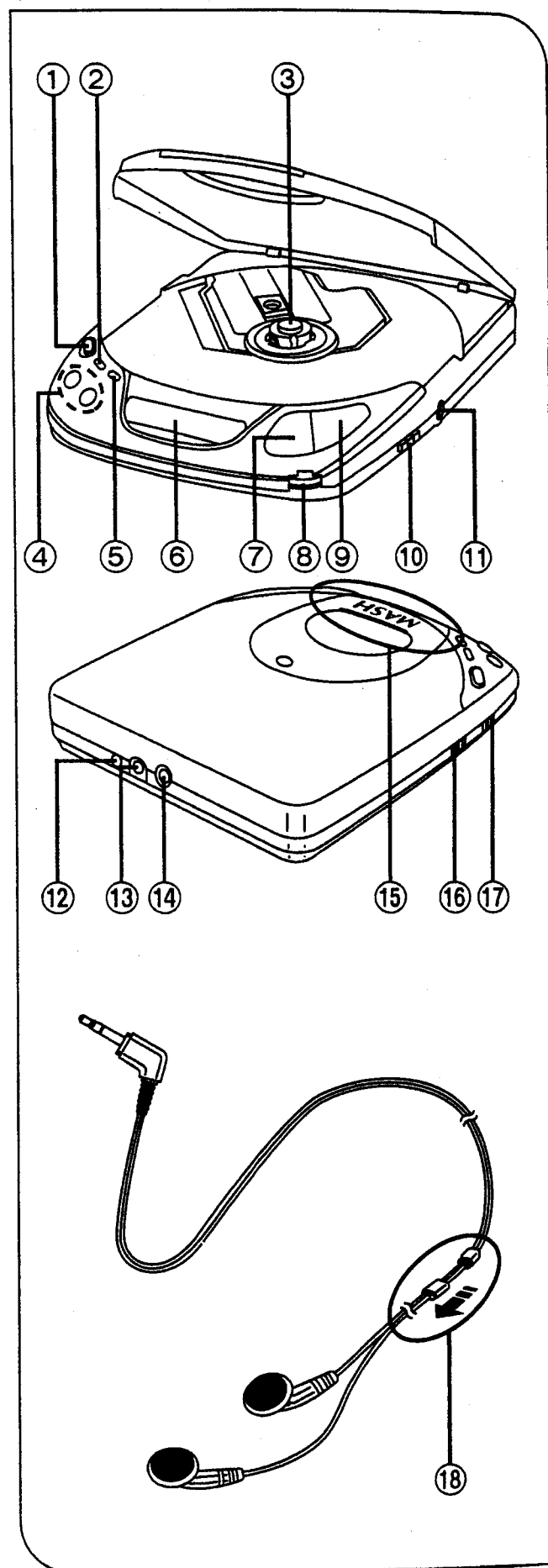
⑤



Location of Controls

- ① Open button (OPEN)
- ② Memory/recall button (MEMORY/RECALL)
- ③ Push button (PUSH)
- ④ Skip/search buttons (◀◀-SKIP/-SEARCH▶▶)
- ⑤ Repeat button (REPEAT)
- ⑥ Display
- ⑦ Stop/operation off button (■ STOP/OPR OFF)
- ⑧ Earphones/headphones' volume control (VOLUME)
- ⑨ Play/pause button (▶ || PLAY/PAUSE)
- ⑩ ASC/S-XBS selector (ASC/S-XBS)
- ⑪ Earphones/headphones jack (👂)
- ⑫ Out jack (OUT)
- ⑬ DC in jack (DC IN 4.5 V ⬡—●—⬡)
- ⑭ Hole for car insulator mounting screw
- ⑮ Operation indicator (MASH)
- ⑯ Play mode selector (PLAY MODE)
- ⑰ Hold switch (HOLD)
- ⑱ Slider

Slide up to prevent entangling of the cord when the stereo earphones are not in use.



Power Source

Rechargeable batteries

Make sure that the batteries have been charged before use. It takes about 3 hours to fully recharge them.

- The player can be used for about 2 hours 30 minutes when it has been fully recharged. (When the player is used at 25°C on a flat and stable surface in the hold mode)

The play time may be shorter depending on the operating conditions.

- You can continue to recharge the same batteries for about 10 months (300 times). After that, their operating time will be shortened, and you will need to replace them.

Obtain new rechargeable batteries (RP-BP60) designed exclusively for the player.

You can operate the player with the AC adaptor while recharging the batteries, but it will lengthen the recharging time.

■ Recharging batteries **A**

1 Install two rechargeable batteries.

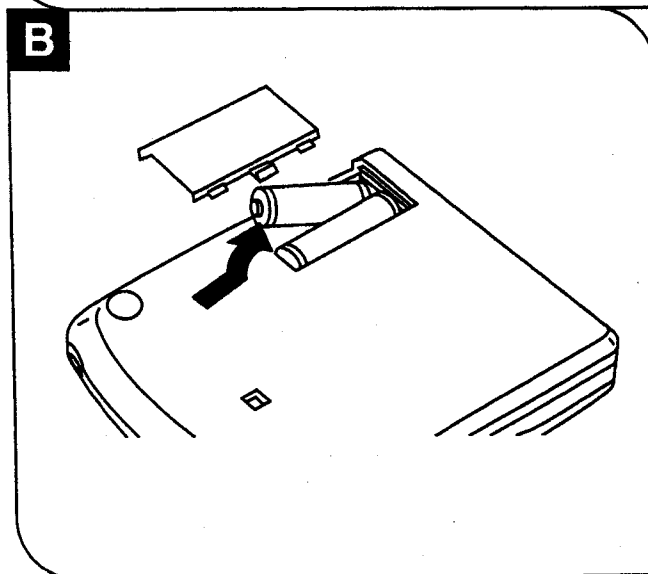
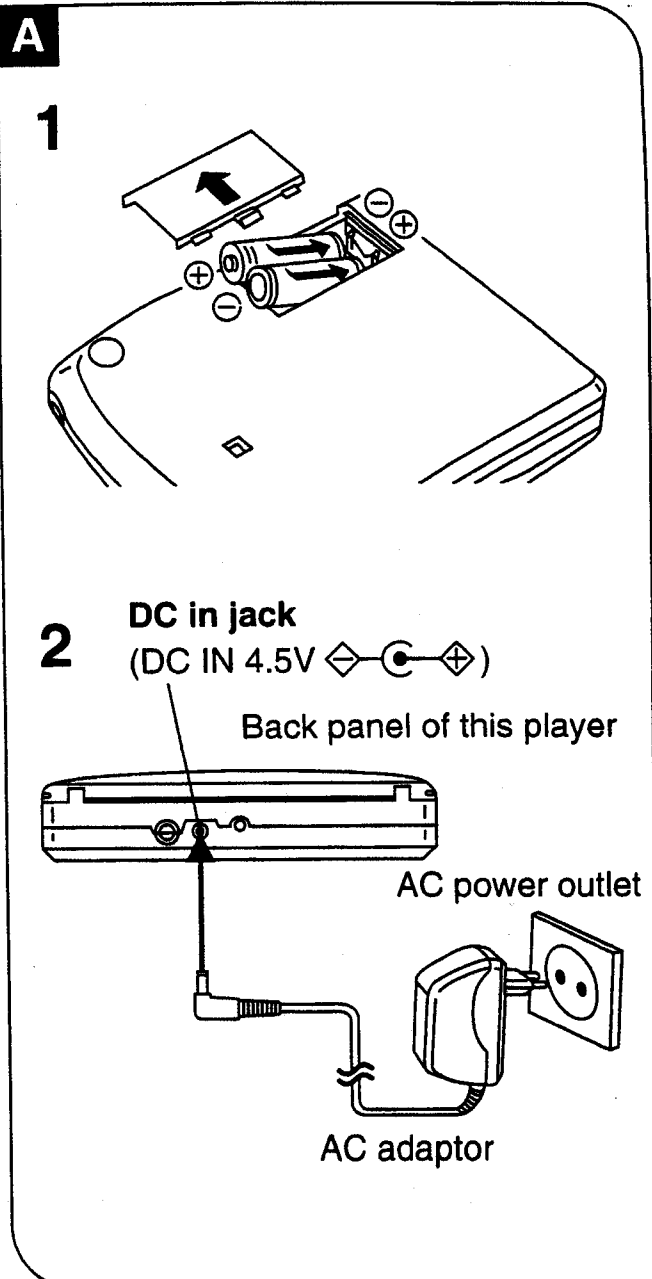
2 Connect the AC adaptor.

While recharging, the AC adaptor and rechargeable batteries may get warm. This is normal.

3 After completing recharging the batteries, disconnect the AC adaptor from the DC in jack and the AC power outlet.

■ Battery removal **B**

Press and push up batteries in the direction of the arrow to remove them.



Power Source

For areas except Continental Europe, United Kingdom and Australia

If the power supply in your area is 110 V or 220 V, the time for complete recharging takes 5 hours, which is different from the time described in this booklet.

Dry cell batteries (not included)

Install two LR6 (UM-3) type alkaline batteries as shown in the figure. **A**

Make sure that the AC adaptor is disconnected from the AC power outlet and the player.

Using two LR6 type alkaline dry cell batteries provides about 8 hours of playing time. (When the player is used at 25°C on a flat and stable surface in the hold mode) The play time may be shorter depending on the operating conditions.

■ Battery removal **B**

Press and push up batteries in the direction of the arrow to remove them.

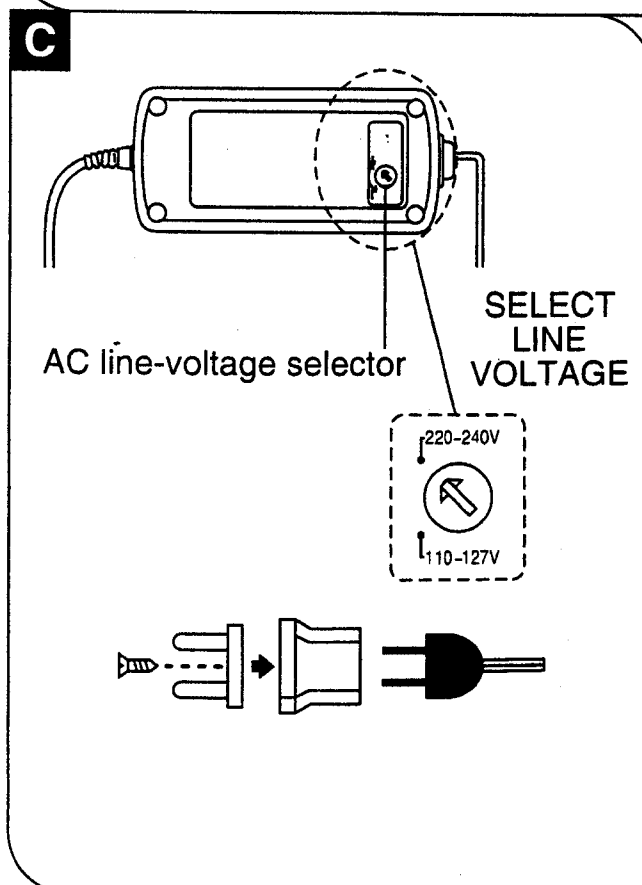
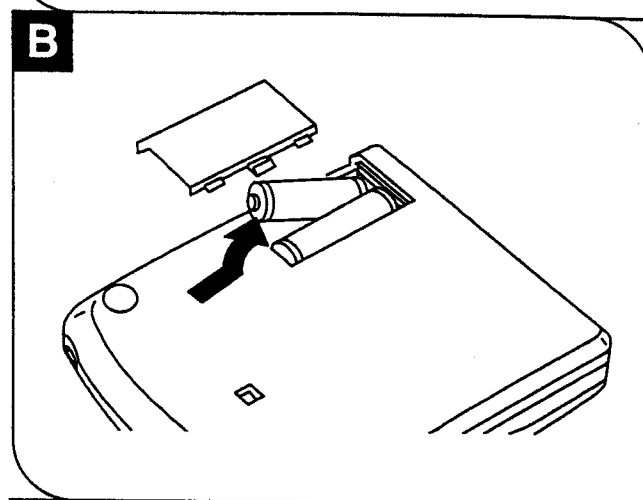
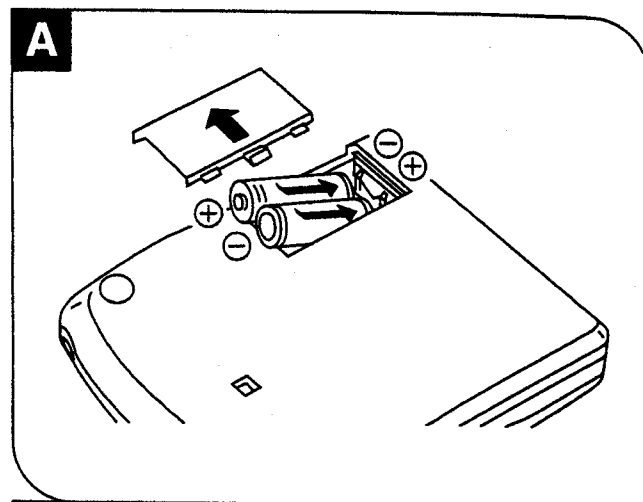
AC adaptor

Before use **C**

(For areas except Continental Europe, United Kingdom and Australia)

Make sure the preset voltage of your AC adaptor fits to your local voltage before plugging it into the AC power outlet. If it doesn't, turn the AC line-voltage selector with a screwdriver so that it corresponds to your local voltage.

If the power plug will not fit your socket, use the power plug adaptor.



Use only the AC adaptor provided with this player. **A**

CAUTION

Do not use the AC adaptor provided with this player for other products.

Note:

The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

Car adaptor (not included)

CAUTION

Use only car adaptor, Model: SH-CDC9, manufactured by Matsushita Electric Industrial Co., Ltd.

The rechargeable battery can be recharged with the car adaptor. (See page 21.)




When the car adaptor or AC adaptor is used, the backlight of the display comes on.

Battery indicator **B**

Type of battery	When the indicator flashes	Remedial action
Rechargeable batteries	When the battery is full-used	In a short while the player is automatically turned off. Recharge the batteries.
Dry cell batteries	When the battery is half-used	Play is possible while the indicator is flashing.

A

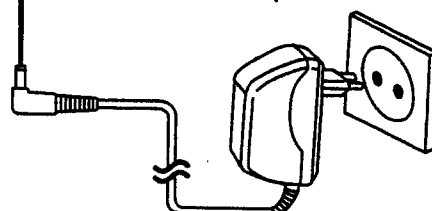
DC in jack

(DC IN 4.5V   )

Back panel of this player

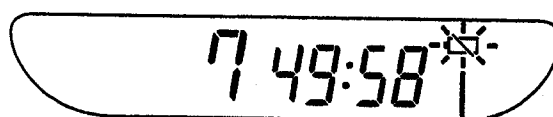


AC power outlet



AC adaptor

B



Flashing

Accidental Operation Prevention Function

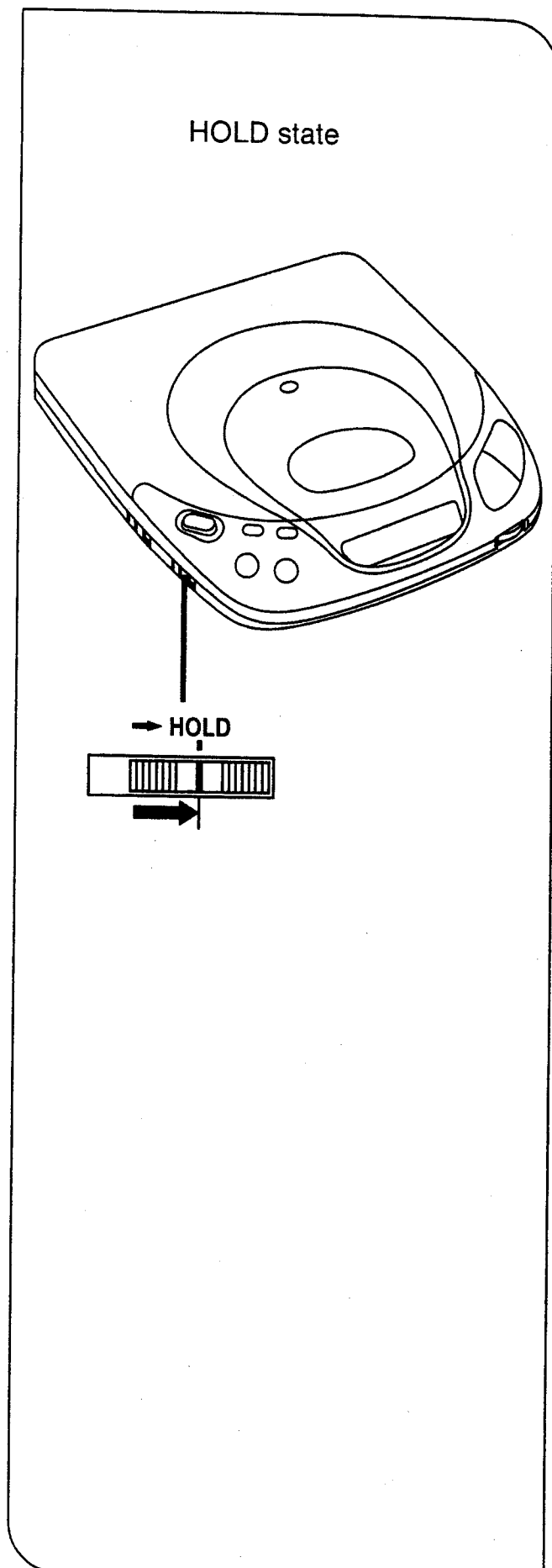
This function prevents the player from operating even if its function buttons are pressed accidentally. (However, the disc lid can be opened or closed.)

After operating any of the buttons, it is a good idea to keep the switch at the HOLD position.

Before operation, release the player from the hold state.

■ HOLD display

When a function button is pressed with the switch at the HOLD position, the "hold" indicator appears on the display. (In the OFF mode, it appears only when the PLAY/PAUSE button is pressed.)



Listening to CD Tracks in Their Original Sequence (Normal Play)

1 Press OPEN to open the disc lid.

2 Insert the disc.

Press the portion nearby the center hole of the disc until a "click" sound can be heard.

3 Close the disc lid.

4 Release the player from the hold state.

5 Set the play mode selector to NORMAL.

6 Connect the plug of the stereo earphones (included) to the earphones/headphones jack.
(Plug in firmly.)

7 Press PLAY/PAUSE.

This turns on the player and begins the first track.



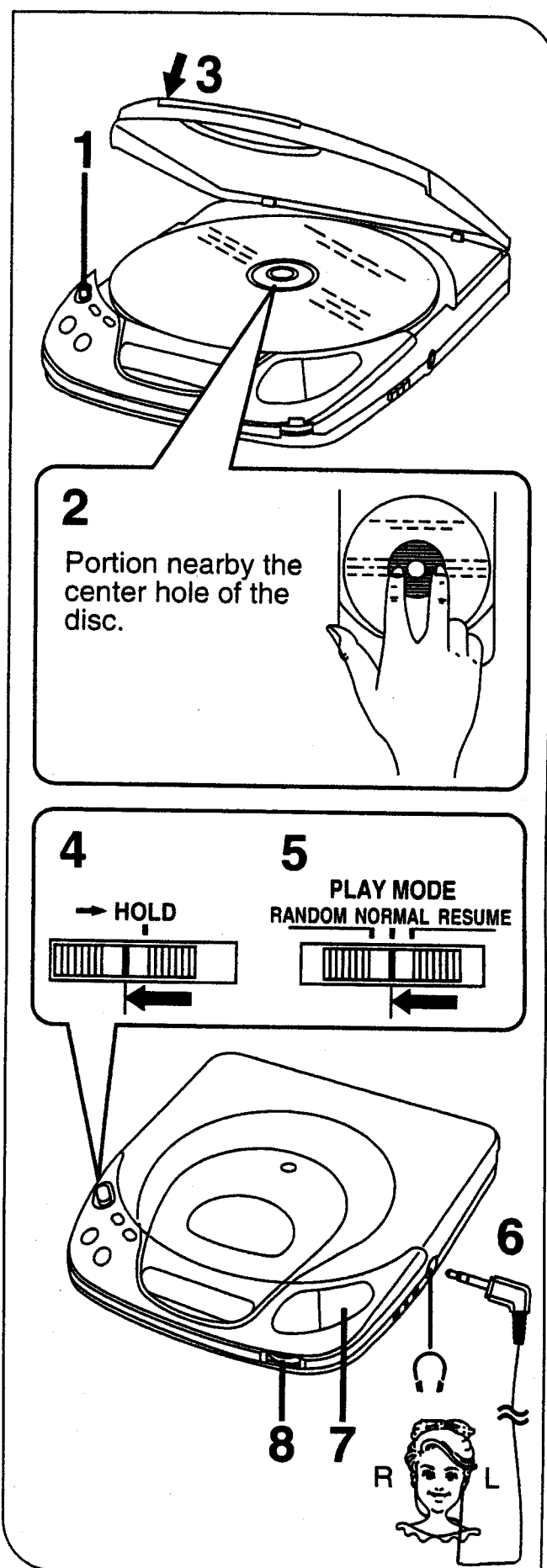
Track number in play Elapsed playing time of each track

8 Adjust the volume level.

The player plays the tracks on the disc in order and stops automatically when the last track ends.

■ "no disc" display

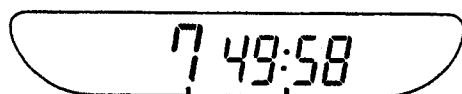
When the PLAY/PAUSE button is pressed with no disc installed or with a disc improperly installed, this display remains lighted for about 30 seconds and the operation indicator also flashes at the same time. (See page 14.)



Listening to CD Tracks in Their Original Sequence

■ To stop play **A**

Press **STOP/OPR OFF** in the play mode.



Total number of tracks Total playing time of tracks

The disc will stop rotating, and the display will show the total number of tracks and total playing time on the disc.

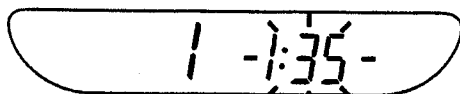
To turn off the player

Press **STOP/OPR OFF** again.

If you leave the player in the stop mode, it will automatically shut off after 4 minutes.

■ To temporarily stop disc play

Press **PLAY/PAUSE** in the play mode.



Flashing

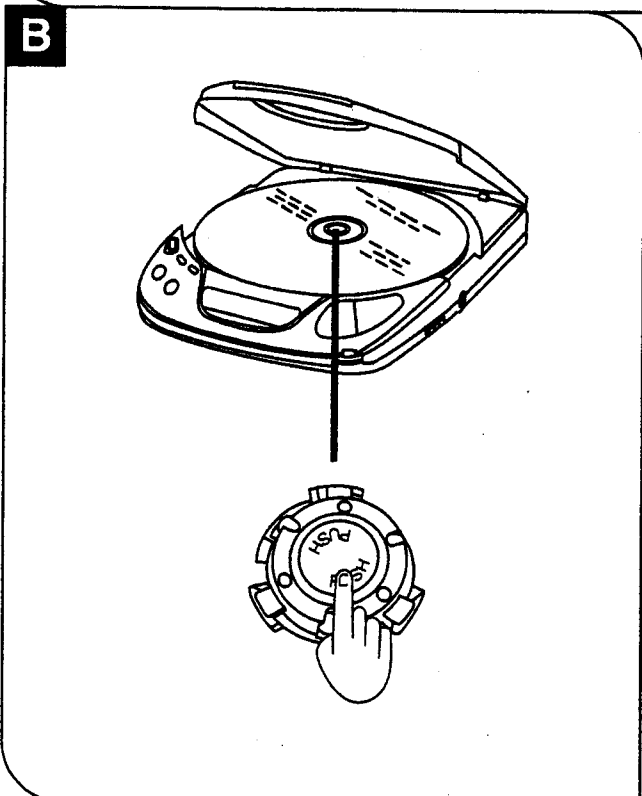
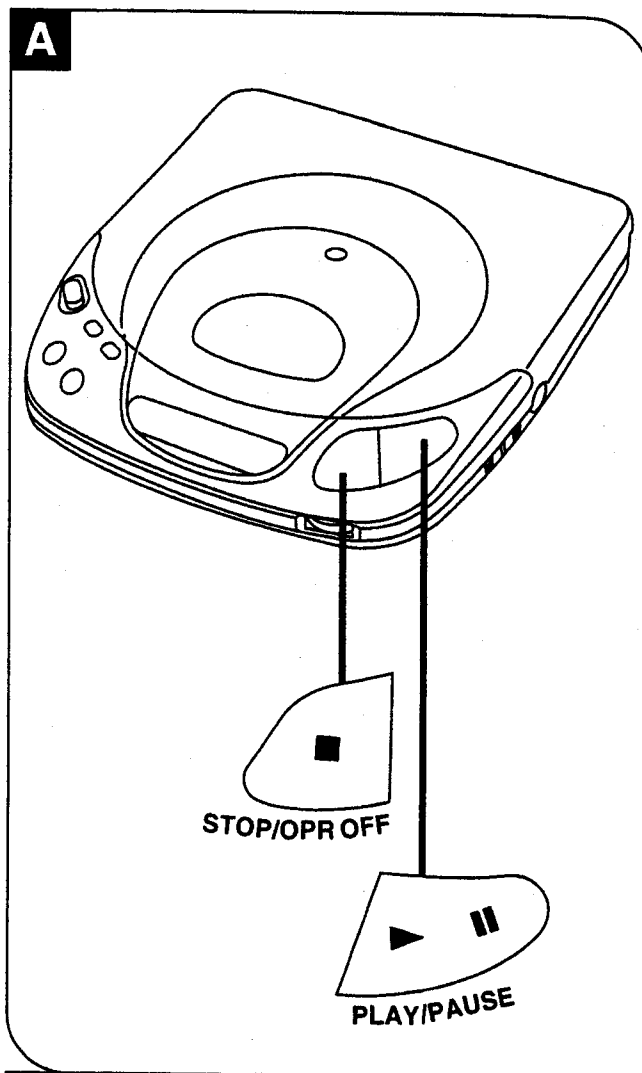
To resume play

Press **PLAY/PAUSE** again.

To release the fixed state of the disc **B**

After the disc has stopped rotating, press **OPEN** to open the disc lid and press **PUSH**.

(Do not open the disc lid during play.)



To skip tracks forward or backward (Skip function)

Press either skip/search button ►► or ◀◀ in the play mode.

►► : The pickup skips forward as many tracks as the number of times you press the button.

◀◀ : When the button is pressed once, the pickup skips to the beginning of the track being played. If the button is pressed again quickly, the pickup skips backward as many tracks as the number of times you press the button.

During program play, the pickup skips forward or backward in the programmed track sequence.

To search forward or backward (Search function)

Press and hold ►► or ◀◀ in the play mode.

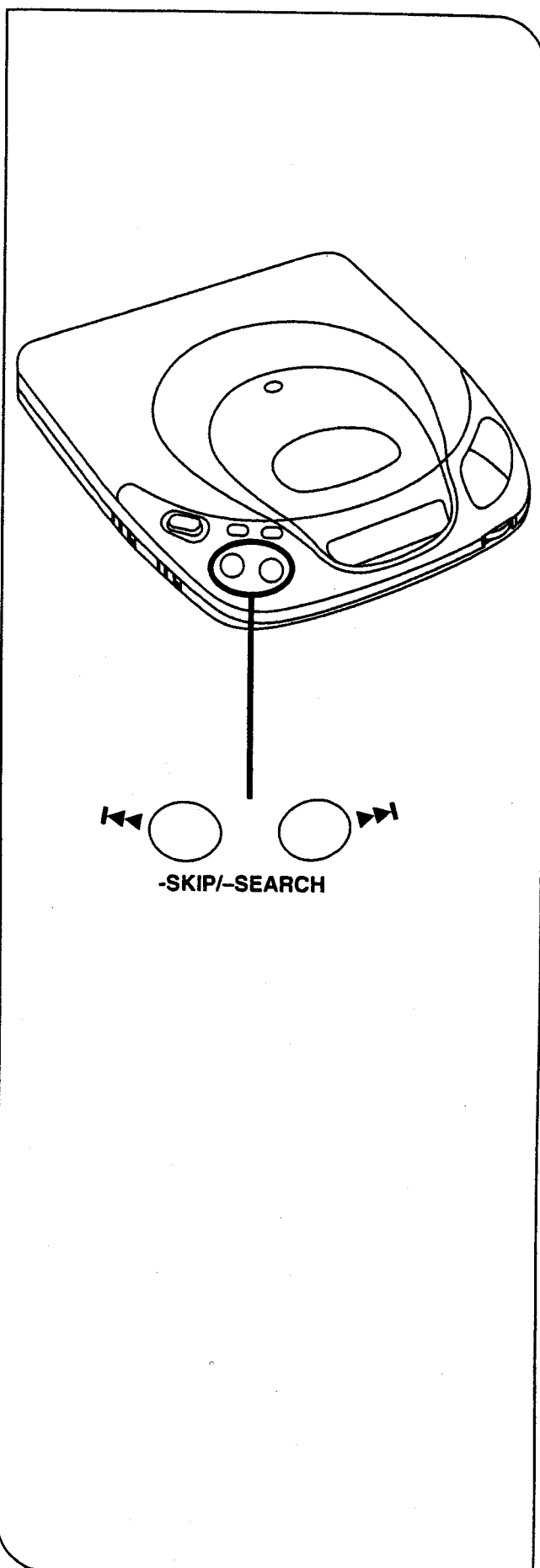
►► : To search forward

◀◀ : To search backward

Release the button when you reach the desired point.

- You can search slowly when either button is first pressed and quickly when it is then kept depressed.

- In the program, random and one track repeat play mode, you can search forward or backward only within the current track.



Listening to CD Tracks in Their Original Sequence

To change the tone quality **A**

(When listening through the stereo earphones)

■ For extra bass sound (S-XBS)

Set the ASC/S-XBS selector to S-XBS.

■ For a more dynamic and mellow sound

(Smoothed treble response and more dynamic bass)

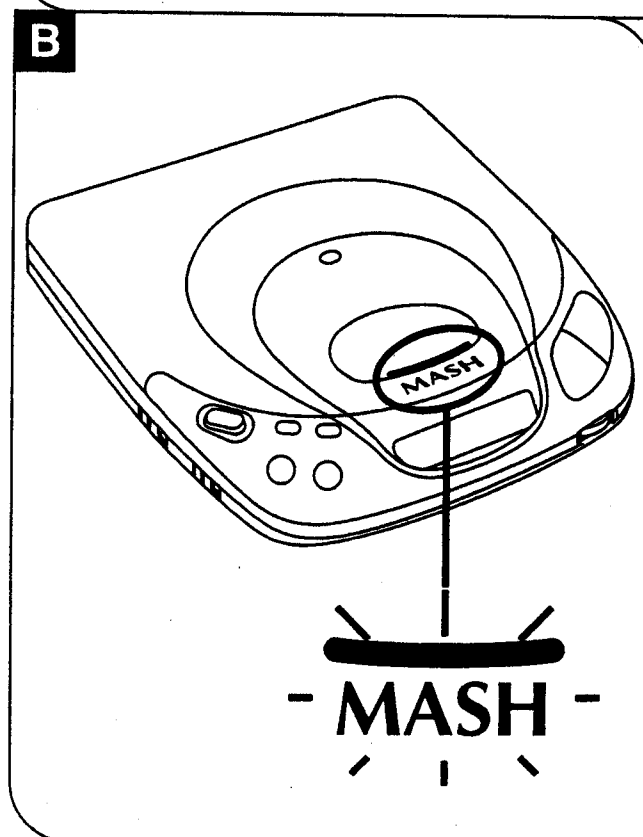
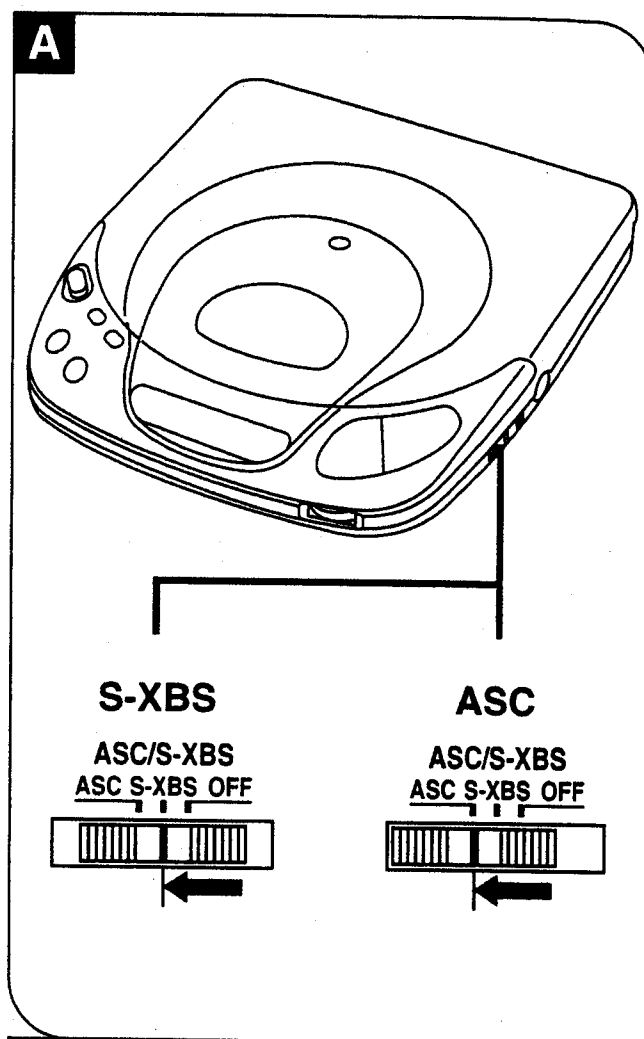
Set the ASC/S-XBS selector to ASC.

Operation indicator **B**

Indicator status	Operating status
Off	Switched off
Rapid flashing	<ul style="list-style-type: none">• The PLAY/PAUSE button was pressed when the player was switched off.• The skip function was used during play.
On	Play in progress
Slow flashing	Pause/stop

■ To reduce the battery discharge

Set the player to the HOLD state when rechargeable or dry batteries are used.
(The operation indicator goes off.)



Starting Play From a Specific Track (Skip Play)

Before operation:

- ① Release the player from the hold state.
- ② Press **PLAY/PAUSE**.
- ③ Press **STOP/OPR OFF**.

For example:

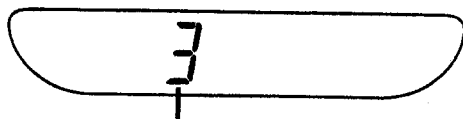
To select track 3,

1 Set the play mode selector to NORMAL.

2 Press either skip/search button \gg or \ll until you reach the desired track.

\gg : To skip forward

\ll : To skip backward



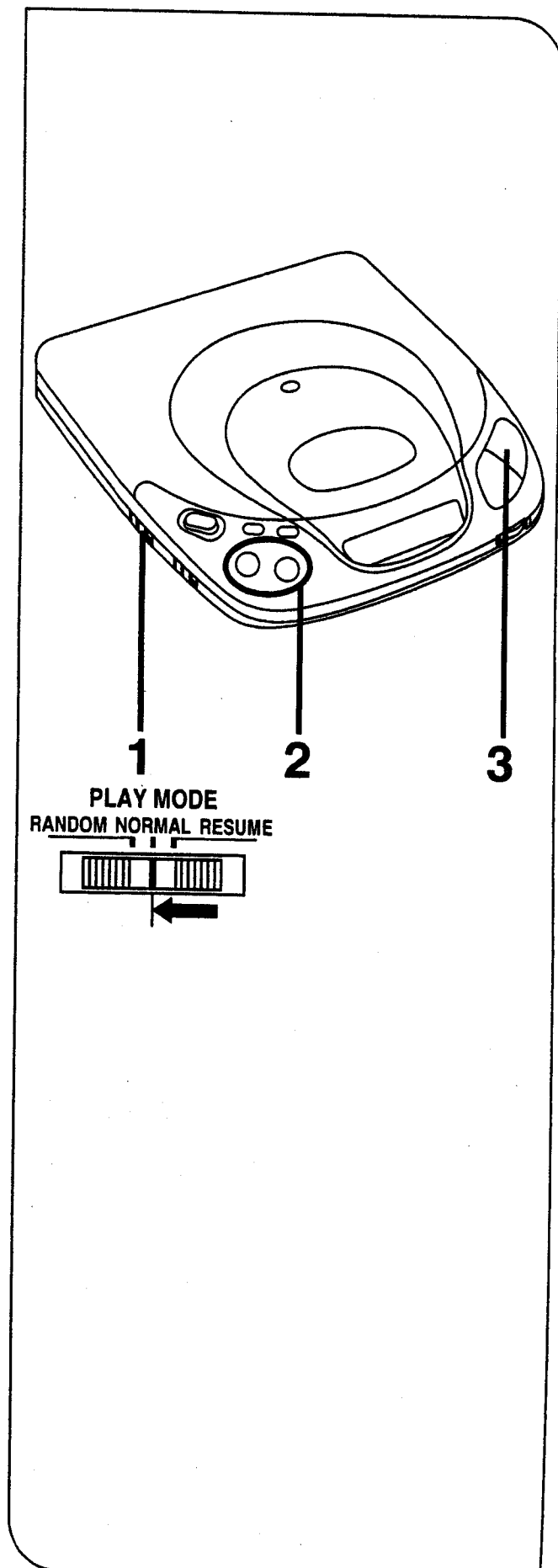
Track number

The pickup skips forward or backward as many tracks as the number of times you press the button.

3 Press PLAY/PAUSE.

Play continues in the original sequence from the selected track to the final track and then stops automatically.

(When the play mode selector is at the NORMAL position)



Playing Tracks in a Particular Sequence (Program Play)

With program play, you can program up to 24 tracks on the disc in any order you choose.

Before operation:

- ① Release the player from the hold state.
- ② Press **PLAY/PAUSE**.
- ③ Press **STOP/OPR OFF**.

1 Set the play mode selector to NORMAL.

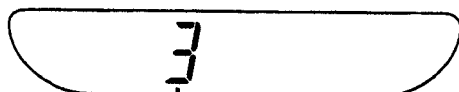
2 Press ►► or ◄◄ to select the track number.

►► : To skip forward

◄◄ : To skip backward

For example:

To select track 3, press ►► 3 times.



Track number

3 Press MEMORY/RECALL to memorize the selected track number.



Track number

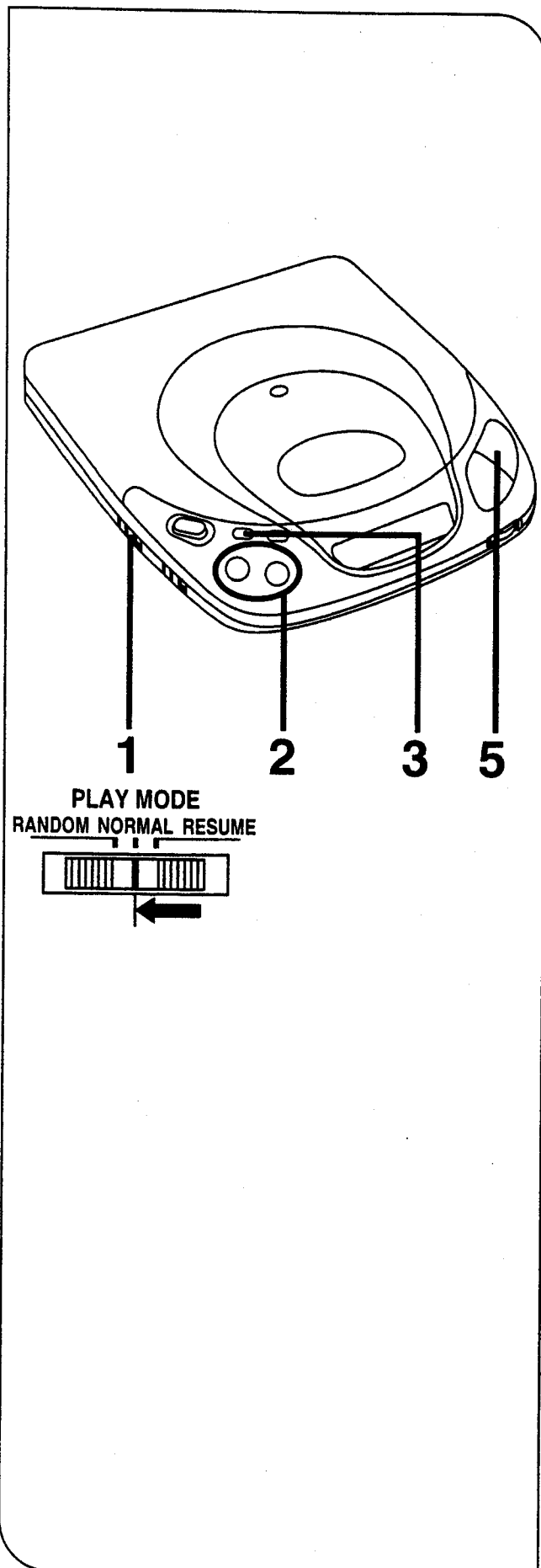
Program order

Memory indicator

4 Repeat steps 2 and 3 until you have completed the desired program.

5 Press PLAY/PAUSE.

When all the programmed tracks have been played, the player will automatically stop.



■ **To program the same track repeatedly**

Press **MEMORY/RECALL** repeatedly after step 3.

■ **When the “F” (full) indication is displayed**

No further tracks can be programmed.

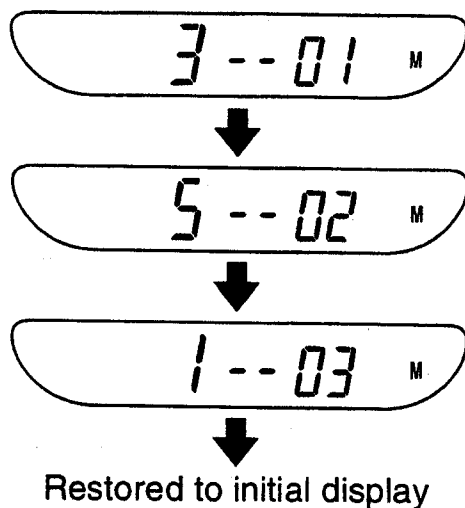
To confirm the program A

Press MEMORY/RECALL once during play.

The display shows the programmed track numbers in the sequence you have entered.

For example:

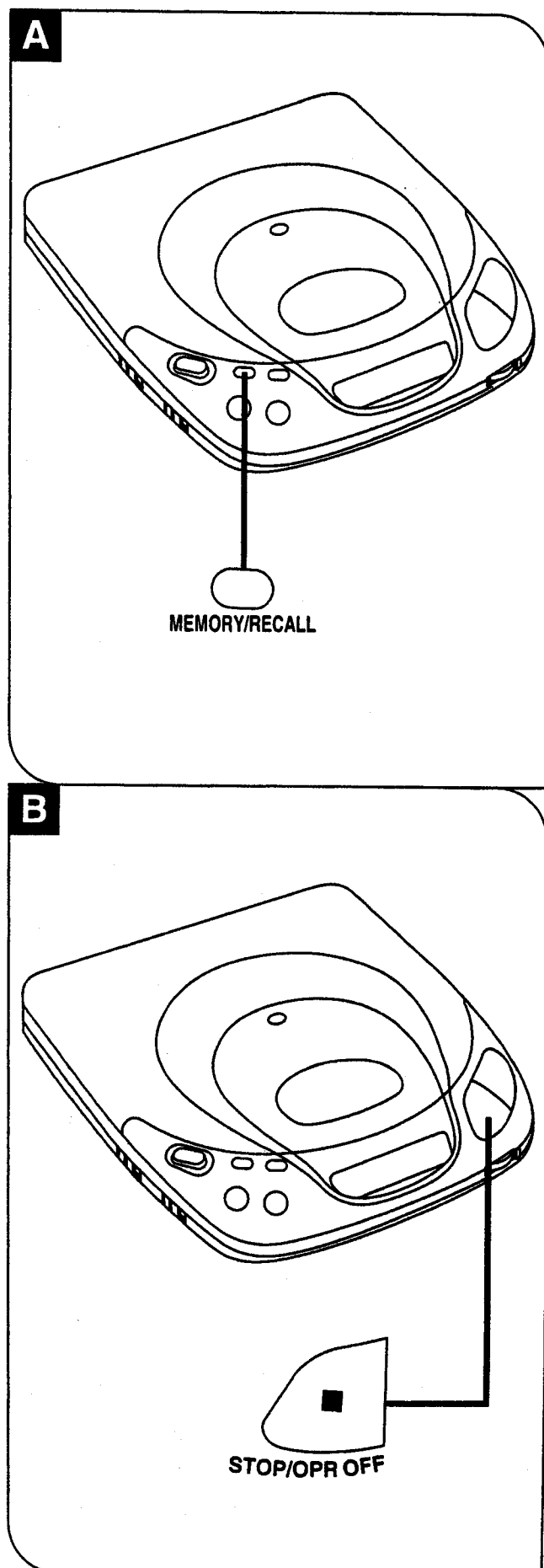
The diagram below shows a program consisting of tracks 3, 5 and 1.



To cancel program play B

Press STOP/OPR OFF.

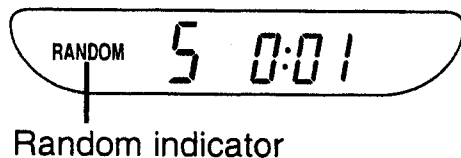
This clears all the programmed selections from the memory.



Playing Tracks in a Random Sequence (Random Play)

Before operation, release the player from the hold state.

- 1 Set the play mode selector to **RANDOM**.
- 2 Press **PLAY/PAUSE**.



The player will stop automatically when the last random selection finishes playing.

■ To cancel random play

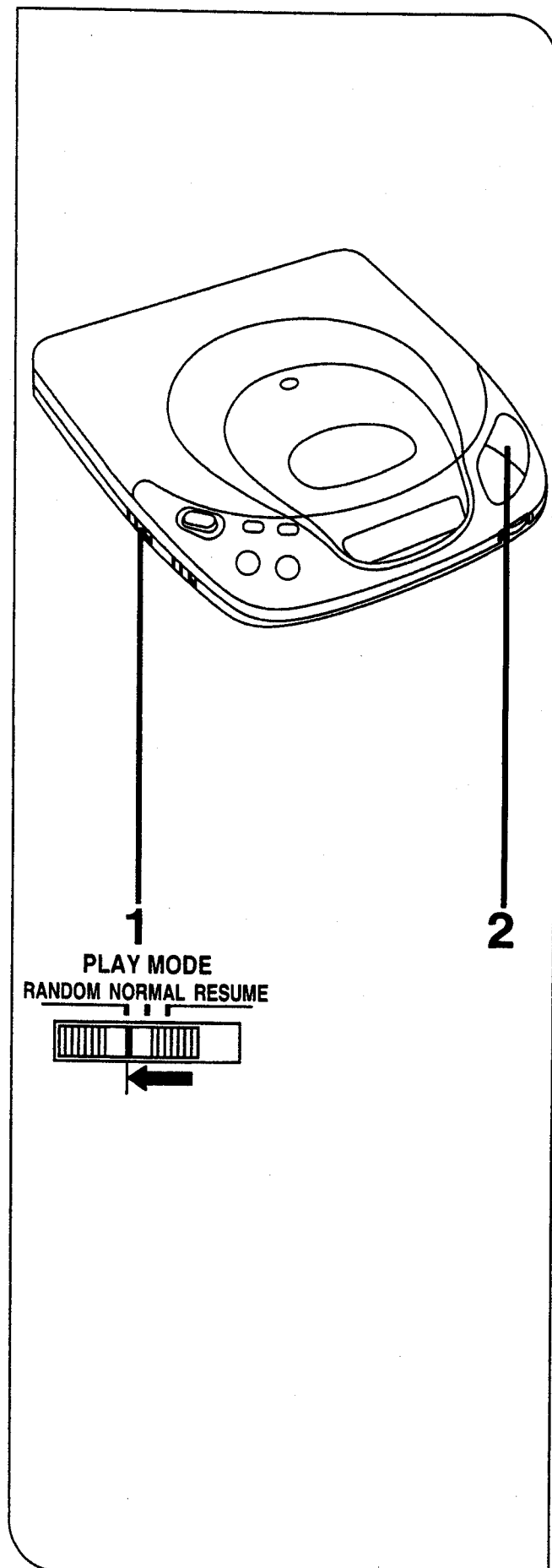
Set the play mode selector to NORMAL.

The player will return to sequential play after the current track has finished.

You can select the first track using the skip/search button in the stop mode. (All the tracks are played no matter which track is played first.)

Note:

You cannot use program play in the random mode. (See pages 16–17.)

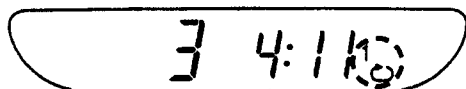


Playing Tracks Repeatedly (Repeat Function)

Before operation, release the player from the hold state.

To repeat only one track

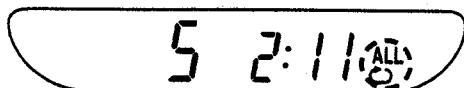
Press REPEAT once in the play or stop mode.



One track repeat indicator

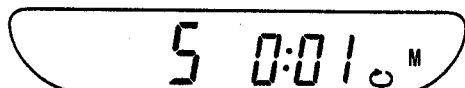
To repeat all tracks on the disc

Press REPEAT twice in the play or stop mode.



All tracks repeat indicator

In the program play mode, only all the programmed tracks will be repeated.



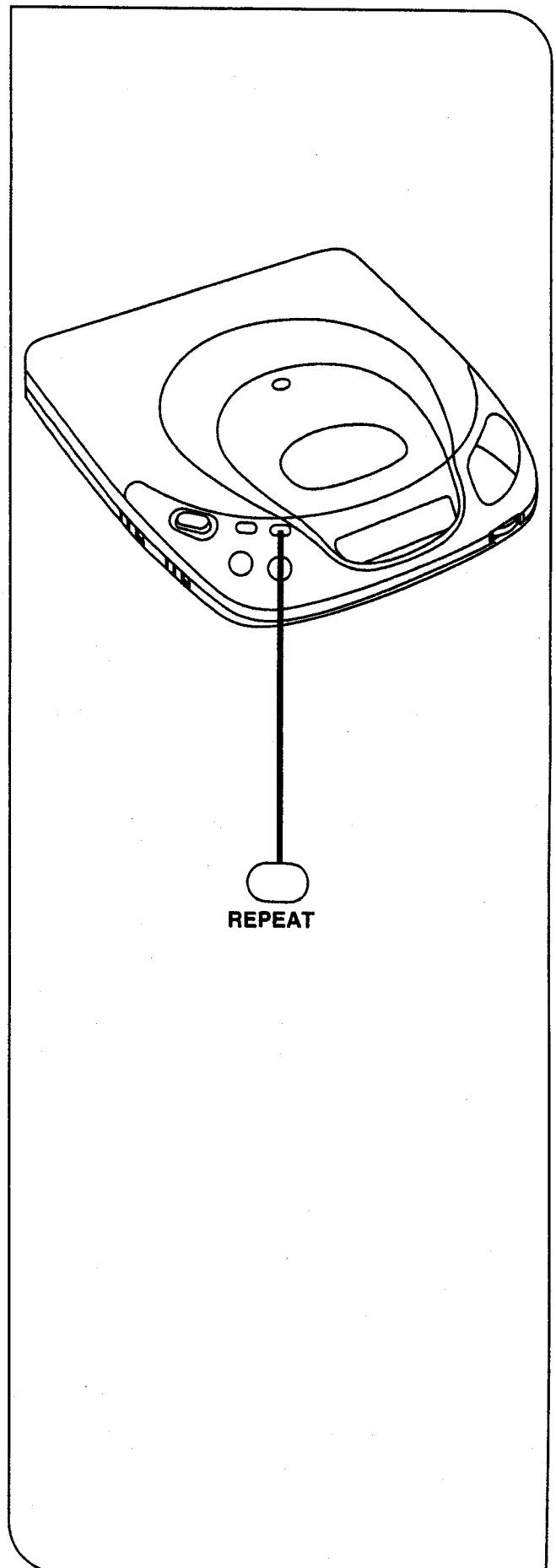
Repeat indicator

■ To cancel repeat function

Press REPEAT once in the all tracks repeat mode.

Each time you press REPEAT, the repeat function will change as follows.

One track repeat → All tracks repeat → Cancel repeat



Resuming Play From the Track Played Last (Resume Function)

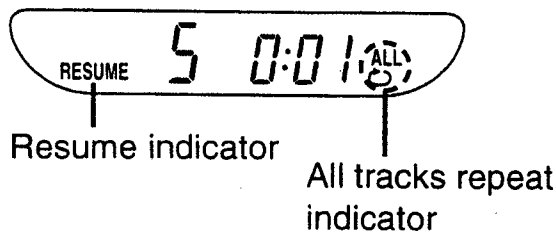
When you set the play mode selector to RESUME, the player resumes play from the track that was playing when the player stopped or was turned off. This comes in handy when playing a disc inside a car.

Before use, release the player from the hold state.

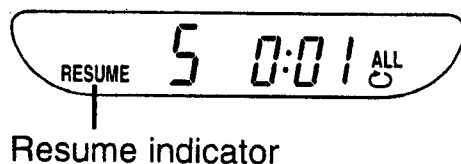
Set the play mode selector to RESUME.

In the OFF mode

If you set the play mode selector to RESUME, the all tracks repeat function will be automatically activated.



In the play or stop mode



If you set the play mode selector to RESUME, the all tracks repeat function will not be activated.

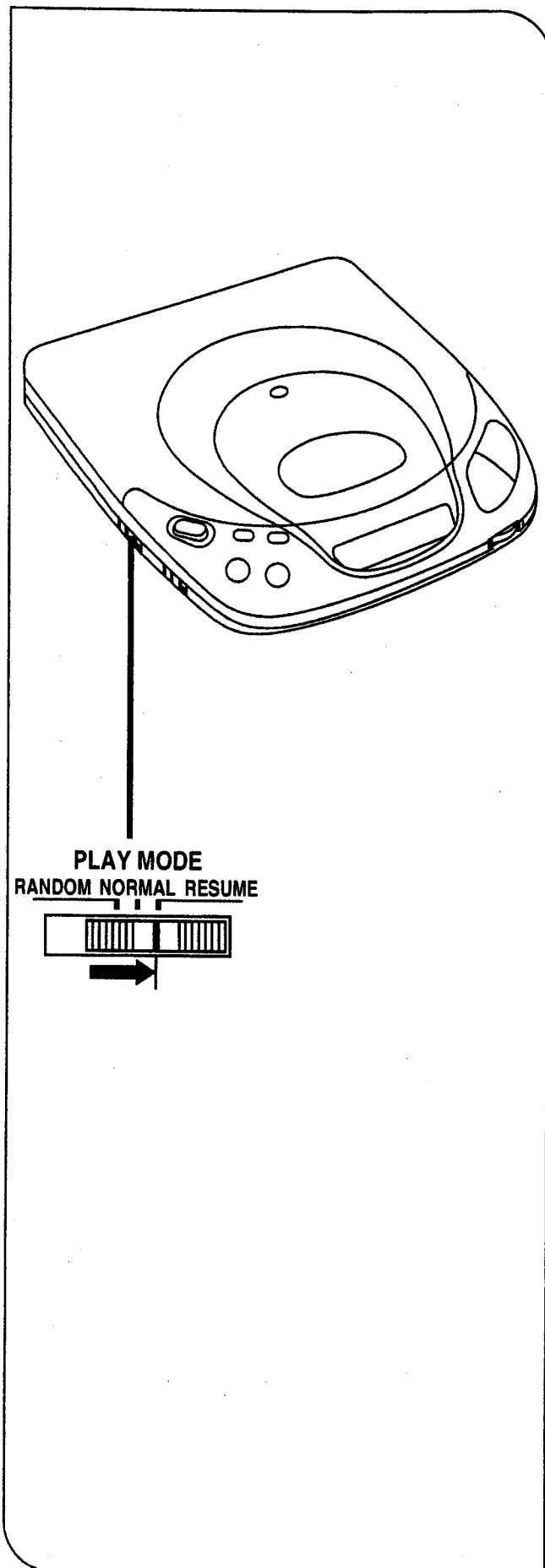
The all tracks repeat function is automatically activated when play is resumed after the player was turned off.

■ To cancel the resume mode

Set the play mode selector to NORMAL.

Notes:

- The play may start with the next track if the previous play stopped near the end of a track.
- When a disc is replaced during play, the position of the track last played is still in the memory and play will start at the same position among the tracks on the replacement disc.

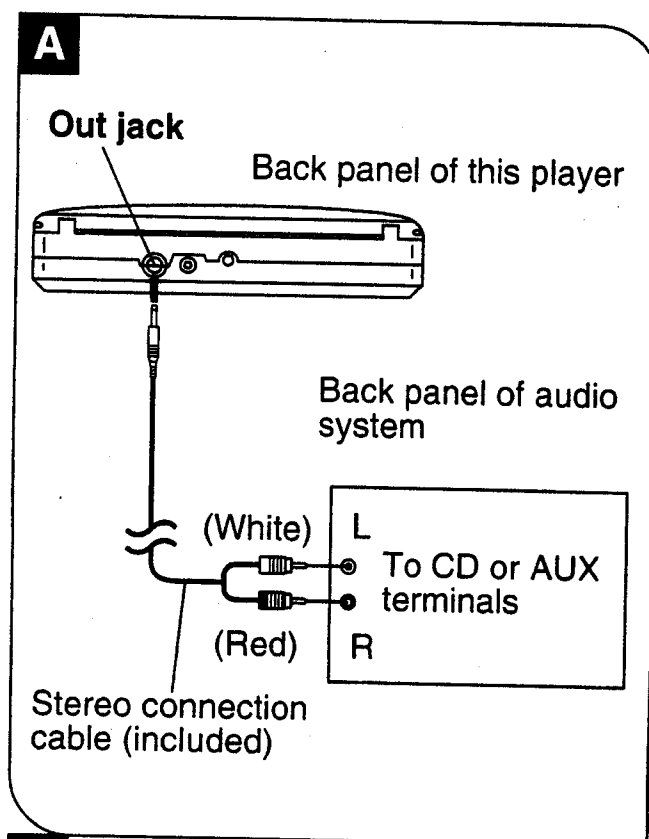


Using the Player with Optional Accessories

Listening through an audio system **A**

Discs can be played as part of an audio system by connecting the player to the system using the stereo connection cable (included).

- Before connecting the player to your audio system, make sure to turn off the power on all other system components.
- Do not connect the cable to the turntable (PHONO) connectors on the amplifier.
- Obtain the optional connecting cable (RP-CA102A) when the amplifier is equipped with mini phone jacks.



Using the player together with the car audio system **B**

The car kit, available as an optional accessory, makes it possible to listen to CDs in a car.

The construction of the cassette adaptor does not allow connection to some car stereo systems.

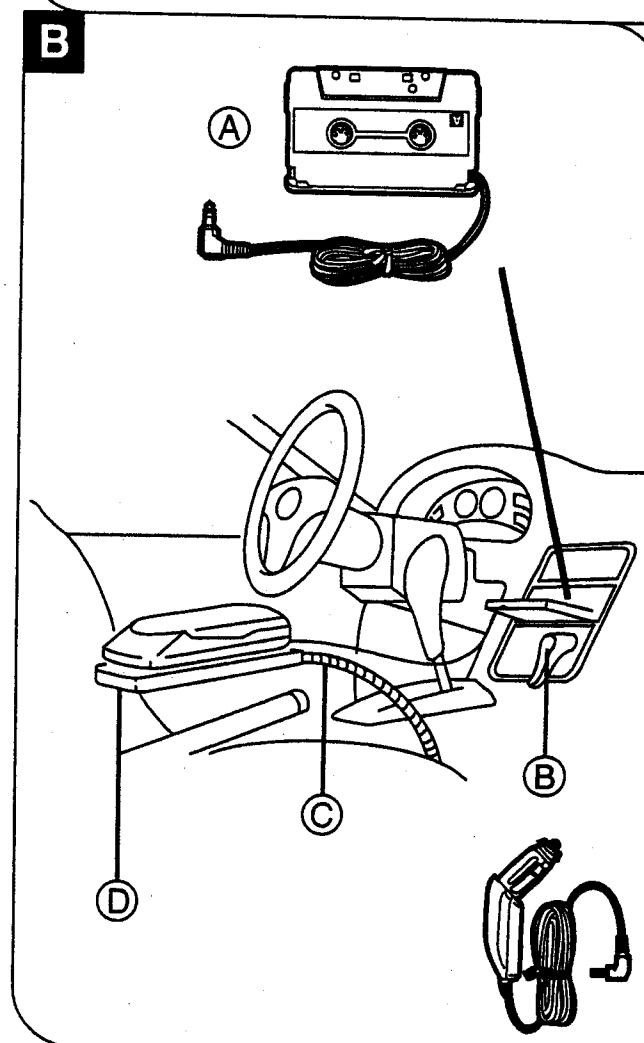
■ What should be purchased

For connection to the car audio system:

Car stereo cassette adaptor (SH-CDM7 or SH-CDM9) **(A)**

For securing the player and connecting the power supply:

- Car adaptor (SH-CDC9) **(B)**
- Car mounting arm **(C)**, Car insulator **(D)** (SH-CDF7)



For further details, refer to the Operating Instructions of the respective products.

Concerning Compact Discs

Only compact discs having this mark can be used with this unit. **A**

To remove a disc from its case **B**

Press the center holder and lift the disc holding by the edges.

To hold the disc **C**

Hold the disc by the edges so the surface is not soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.

To store a disc in its case **D**

Insert the disc with label facing upwards and press downwards at the center.

If the surface is soiled **E**

Wipe gently with a soft, damp (water only) cloth.

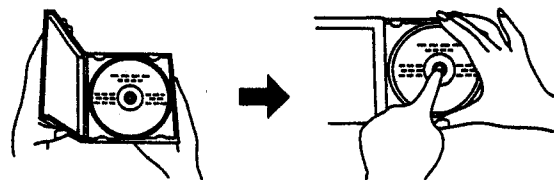
If the disc is brought from a cold to a warm environment, moisture may form on the disc

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

A



B



C

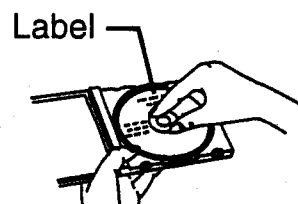


(Correct)

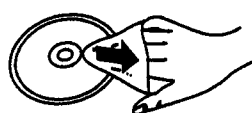


(Incorrect)

D



E



(Correct)



(Incorrect)

Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

Handling precautions

- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not soil with fingerprints.

Cautions

Rechargeable batteries

- Do not use the rechargeable batteries accompanying this player with any other product.
- Only the RP-BP60 batteries can be recharged.
- If the power supplied by the batteries lasts for a very short time even after recharging, it means that the batteries are reaching the end of their service life. Do not use them any more.
- When recharging the batteries for the first time or when recharging them after they have not been used for a long period of time, the play time may be shorter than usual. In a case like this, repeatedly recharge and discharge the batteries. This will restore their usual operational state.
- Recharging should be performed at 0°C–40°C.
- Do not allow any metal objects to touch the terminals of the rechargeable batteries as this may cause short-circuiting which is dangerous.

Dry cell batteries/ Rechargeable batteries

■ Use of batteries

- Do not mix old and new batteries, or batteries of different types (carbon and alkaline, etc.).
- Always remove old, weak or worn-out batteries promptly and dispose of them properly.
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If you will not use this player for a long period of time, remove the batteries and store them in a cool, dark place.
- If a battery leaks, remove all batteries and dispose of them properly.
- Thoroughly clean the battery compartment before inserting new batteries.
- If the leaking electrolyte comes into contact with skin or clothes, flush with water immediately.
- Keep batteries out of reach of children.
- Do not attempt to recharge alkaline or carbon batteries.


To carry dry cell batteries and rechargeable batteries around


When batteries are placed inside a pocket or bag, do not put them together with necklaces or other metal objects. Contact may cause short-circuiting and generate heat.

AC adaptor

- **Use only the AC adaptor provided with this player.**

The power source polarities of the AC adaptor provided with this player and optional car adaptor (SH-CDC9) are

 (polarized plug provided).

Bear in mind that the polarities of some adaptors on the market may differ ().

- If you use the player with the AC adaptor for a long period of time, take out the rechargeable batteries or dry cell batteries to preserve their service life and prevent leakage of their electrolyte.
- If you will not use the player with the AC adaptor for a long period of time, disconnect it from the AC power outlet.

Precautions for Listening with the Headphones

- Do not play your headset at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Maintenance

Lens care

A soiled lens will cause audible skipping. Disc play may not be possible if the lens is seriously soiled.

Be sure to turn the player off. When using the AC adaptor, disconnect it before cleaning.

Open the disc lid and clean the lens as shown in the figure.

Use a cotton swab to clean away fingerprints, etc., on the lens.

Cleaning kit (SZZP1038C, not included) for dust on the lens

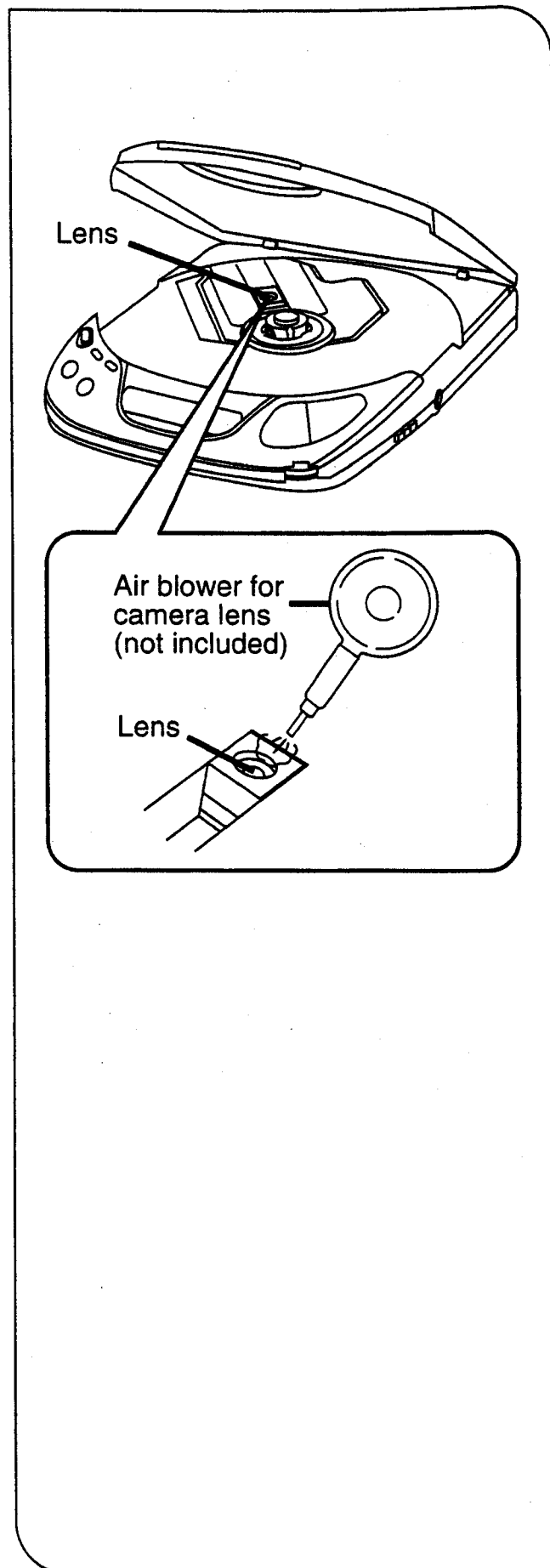
Main unit

Clean it with a cloth, dampened in a mild solution of soap and water.

Do not clean the cabinet with benzine or thinner.

Avoid excessive moisture.

Avoid spray aerosol type cleaner. Some cleaners contain corrosive chemicals that may cause internal damage and cabinet deformation.



Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Probable cause(s)	Suggested remedy
The disc lid does not close.	The disc is not fixed properly.	Fix the disc properly.
Player will not play.	The hold switch is set to HOLD.	Release the hold state.
	Moisture has formed inside the player.	Allow the player to dry for about one hour before using.
The disc in the player does not play.	The disc does not fit into the pivot.	Push the disc gently until it clicks.
	The disc is scratched.	Replace the disc with a new one.
	The disc is not within specified standards.	Exchange the disc for another one.
The disc in the player is not removed.	The disc is fixed.	Open the disc lid and press PUSH.
A certain music passage won't play correctly.	The disc is dirty.	Wipe the disc with a soft cloth.
	The disc is scratched.	Replace the disc with a new one.
There is noise from the tuner or disturbance on the TV screen.	Caused by high-frequency signals of this player.	Use the player farther away from the tuner or TV.
		If the tuner's or TV's antenna is the indoor type, use an outdoor antenna.

Specifications

Audio

No. of channels: 2 (left and right, stereo)

Frequency response: 20–20,000 Hz
(+0.5 dB, –1.5 dB)

Output voltage: 0.7 V (50 k Ω)

S/N: more than 96 dB

Wow and flutter: Below measurable limit

DA converter: 1 bit, MASH

Headphone output level: max. 5 mW+5 mW/
16 Ω (variable)

Pickup

Light source: Semiconductor laser

Wavelength: 780 nm

Lens: Glass pressed lens

General

Power supply: DC 4.5 V

Power consumption:

AC adaptor; 3.5 W

Battery; 0.6 W

Dimensions

(W×H×D): 128×26.8×148 mm

Weight: 317 g (with batteries)
277 g (without batteries)

Note:

Specifications are subject to change without notice.

Weight and dimensions are approximate.

MASH is a trademark of NTT.

For United Kingdom only

This apparatus was produced to BS 800.

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